Mountain Weather Forecast

Lake District National Park

Forecast valid from 00:00 on Thursday 23 Feb 2023 until 23:59 on Friday 24 Feb 2023

Forecast Issued on Wednesday 22 Feb 2023 at 12:37

Confidence: High for mainly dry and settled conditions. Medium for cloud details.

Headline for Thursday 23 Feb 2023: Dry and bright. Chilly summit winds.

Mountain weather hazards on Thursday 23 Feb 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** No Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Partly cloudy (night)	Clear night	Clear night	Sunny	Sunny	Sunny intervals	Cloudy	Mist
Precipitation probability							
10%	00%	00%	00%	00%	<05%	10%	40%

Forecast for Thursday 23 Feb 2023

Weather: Dry with clearing skies overnight leading to a frost. Bright with good sunny spells, turning hazy at times in the afternoon. Cloud thickening and lowering during the evening with summit cloud and occasional rain.

Chance of cloud-free hill tops above 800m: 90% becoming 30% in the evening.

Low cloud and visibility: No significant cloud at first, becoming extensive around 600m in the evening. Visibility very good or excellent becoming moderate to very poor in rain and summit cloud late in the day.

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Mountain Weather Forecast

Forecast for Thursday 23 Feb 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	32/40 N	28/35 N	21/26 N	13/16 N	11/16 NW	15/20 NW	20/25 W	25/32 W	25/34 NW
600	22/32 N	21/30 N	15/22 N	6/9 NW	8/12 NW	11/16 NW	15/22 W	19/29 W	20/30 W
300	10/26 N	8/24 N	5/17 N	2/9 NW	4/12 NW	6/14 NW	5/18 W	9/24 W	10/25 NW
Valley	13/30 N	11/26 N	6/16 N	2/7 N	3/9 W	6/14 W	5/14 W	8/20 W	10/23 W

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-2/-11	-3/-12	-4/-11	-3/-9	-2/-7	-1/-6	-1/-7	0/-7	1/-6
600	-0/-7	-1/-8	-2/-8	-2/-5	1/-3	2/-3	1/-4	2/-3	3/-3
300	2/-2	1/-3	-0/-3	1/-1	4/2	4/2	3/1	4/1	5/1
Valley	5/0	3/-1	2/-0	3/2	6/5	6/5	6/4	7/4	7/4
Freezing Level*	600m	400m	200m	300m	400m	600m	900m	1100m	1100m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Frost possible around dawn. Note strengthening winds and reducing visibility in the evening.

Forecast for Friday 24 Feb 2023

Weather: Cloudy with occasional rain overnight and during the morning. Turning drier, brighter and colder in the afternoon with some sunny or clear spells.

Maximum wind: North or Northwest 25mph gusting 35mph.

Chance of cloud-free hill tops above 800m: 30% becoming 80% in the afternoon.

Low cloud and visibility: Extensive cloud, base 600 to 900m, lifting and breaking above the summits in the afternoon. Visibility moderate to very poor in rain and cloud, becoming mostly very good in the afternoon.

Temperature: **Valleys:** Plus 5 Celsius rising to 8 Celsius, later Zero Celsius
At 800m: Plus 3 Celsius lowering to Minus 3 Celsius later
Freezing level: Above the summits at first, lowering to most levels by the end of the day.

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Wednesday 22 February 2023. Location: Helvellyn summit at 10:42. Full report: A damp and cloudy start to the day but also a shift to a more northerly airflow which brought colder temperatures and some light sleet and snow above 800m during the morning. At the time of this report (10:42 am) this new snow wasn't settling significantly, although, with a lowering of the freezing level forecast during the day, any further precipitation may settle and down to lower elevations. Aside from this, the majority of the Lakeland fells are snow free with just a few old patches of snow clinging on around corrie rims above 900m. These are not in places where walkers are likely to venture, although there are a few very small (and easy to avoid) patches on the exit slopes of Swirral edge. Some ice was beginning to form on windward surfaces across Helvellyn's summit plateau today and more may be present tomorrow. The windchill (feels-like) temperature was around -10ºC today and is likely to be similar in the coming days.

Anyone heading out onto the higher fells should be prepared with plenty of warm and waterproof clothing including hats and gloves, a map, compass, and headtorch. Carrying crampons/microspikes and an ice axe/walking poles is also recommended for any further snow and ice that develops over the coming days. Temperature: minus 0.5 C, Maximum wind speed 32.4mph, Wind chill: minus 9.2 C, Average wind speed: 9.6mph

Issued at: 1730 on Wed 22 Feb 2023

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